

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Quad-Cities Nuclear Power Station, Unit 1										DOCKET NUMBER (2) 0 5 0 0 0 2 5 4				PAGE (3) 1 OF 0 2		
TITLE (4) Reactor Scram																
EVENT DATE (5)			LER NUMBER (6)				REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)						
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES None				DOCKET NUMBER(S) 0 5 0 0 0			
0 5	1 9	8 4	8 4	0 0 9	0 0	0 6	1 1	8 4					0 5 0 0 0			
OPERATING MODE (9) 3		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)														
POWER LEVEL (10) 0 0 0		20.402(b)				20.406(c)				<input checked="" type="checkbox"/> 50.73(a)(2)(iv)				73.71(b)		
		20.406(a)(1)(i)				50.36(e)(1)				<input type="checkbox"/> 50.73(a)(2)(v)				73.71(c)		
		20.406(a)(1)(ii)				50.36(e)(2)				<input type="checkbox"/> 50.73(a)(2)(vii)				OTHER (Specify in Abstract below and in Text, NRC Form 366A)		
		20.406(a)(1)(iii)				50.73(a)(2)(i)				<input type="checkbox"/> 50.73(a)(2)(viii)(A)						
		20.406(a)(1)(iv)				50.73(a)(2)(ii)				<input type="checkbox"/> 50.73(a)(2)(viii)(B)						
		20.406(a)(1)(v)				50.73(a)(2)(iii)				<input type="checkbox"/> 50.73(a)(2)(x)						
LICENSEE CONTACT FOR THIS LER (12)																
NAME Anthony Fuhs, Technical Staff Engineer										TELEPHONE NUMBER AREA CODE 3 0 9 6 5 4 - 2 2 4 1						
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPD		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPD						
SUPPLEMENTAL REPORT EXPECTED (14)												EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR
YES (If yes, complete EXPECTED SUBMISSION DATE) <input checked="" type="checkbox"/> NO <input type="checkbox"/>																

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On May 19, 1984, Unit One received an unplanned Reactor scram. The scram took place while performing an Instrument Scram Response Test. The test initiated a one-half scram on Reactor Protection System Channel 'A' and, simultaneously, a one-half scram on Reactor Protection System Channel 'B' was received from a spurious IRM Hi-Hi signal. Unit One was in a refueling outage with no fuel in the vessel at the time. The Channel 'B' IRM scram signal is attributed to workers bumping an IRM signal cable under the Reactor vessel while performing CRD maintenance. The safety significance of this event is minimal.

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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)  Quad-Cities Nuclear Power Station, Unit 1	DOCKET NUMBER (2)  0 5 0 0 0 2 5 4 8 4 — 0 0 9 — 0 0 0 2 OF 0 2	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		

TEXT (If more space is required, use additional NRC Form 368A's) (17)

On May 19, 1984, at 0840 hours, Unit One was in a refueling outage with no fuel in the vessel and the mode switch in the STARTUP position. Instrument Maintenance personnel were in the Control Room performing QIS 46-1, Instrument Scram Response Test. This test involves pulling a Reactor Protection System (RPS) fuse, recording the time it takes to receive a one-half scram, replacing the fuse, resetting the one-half scram, and repeating the test for other RPS fuses.

Concurrently, Mechanical Maintenance personnel were working under the vessel torquing control rod drives. Due to the proximity of IRM cables, this job invariably means coming in contact with IRM signal cables. When this occurs, IRM signal spikes are received, some of which result in one-half scrams. At 0840 hours, on May 19, 1984, both of these activities resulted in their respective one-half scram, and because they were on opposite channels, a full scram was received.

The Instrument Scram Response Test was halted, and Mechanical Maintenance was called to verify that they were working under the vessel at the time of the scram. Because of the importance of both jobs, Mechanical Maintenance was asked to exercise more caution, and the work under the vessel and in the Control Room was allowed to continue. The safety significance of this event is minimal.



**Commonwealth Edison**

Quad Cities Nuclear Power Station  
22710 206 Avenue North  
Cordova, Illinois 61242  
Telephone 309/654-2241

NJK-84-197

June 12, 1984

U. S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555

Reference: Quad-Cities Nuclear Power Station  
Docket Number 50-254, DPR-29, Unit One

Enclosed please find Licensee Event Report (LER) Number 84-009  
for Quad-Cities Nuclear Power Station.

This report is submitted to you in accordance with the requirements of the Code of Federal Regulations, Title 10, Part 50.73(a)(2)-(iv) as an event or condition that resulted in manual, or in automatic actuation of any Engineered Safety Feature (ESF), including the Reactor Protection System (RPS).

Respectfully,

COMMONWEALTH EDISON COMPANY  
QUAD-CITIES NUCLEAR POWER STATION

*L. J. Hermer for*  
N. J. Kalivianakis  
Station Superintendent

NJK:JV/bb

Enclosure

cc B. Rybak  
A. Morrongiello  
INPO Records Center  
NRC Region III  
ANI Library

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11